

# Platinum Fibre – Fabufill SABS approved Polyester Insulation – Ceiling Application

## Standard Insulation Document - Ceiling

### DRAFT SPECIFICATION

**Ref:** Specification – (Project Name)

**Client:** (Specifiers details)

To be read with Preliminaries / General conditions / Material Technical Datasheets.

**\*Delete as necessary**

#### **INSULATION SYSTEM:**

Platinum Fibre's Fabufill - SABS approved Polyester Insulation incorporating Guardian™ Warranty.

**Warranty:** Guardian™ System Warranty **INCLUDING** materials, workmanship and maintenance for up to 20 years.

(All equivalent warranty systems to provide an all-encompassing warranty **INCLUDING** matching the material product guarantee with a workmanship warranty for the same term.)

|                             |   |
|-----------------------------|---|
| <b>Datasheet Reference:</b> | Fabufill Polyester Insulation.<br><a href="https://www.platinumfibre.com/why-platinum-fibres/design-assist-downloads/">FREE! Download from https://www.platinumfibre.com/why-platinum-fibres/design-assist-downloads/</a>   |
| <b>System Supplier:</b>     | Platinum Fibre (PTY) Ltd, 17 Lincoln Road, Benoni, Johannesburg, South Africa.<br>Tel: +27 (0) 11 421 0933<br>Web: <a href="http://www.platinumfibre.com">www.platinumfibre.com</a><br>Email: <a href="mailto:info@platinumfibre.com">info@platinumfibre.com</a>            |
| <b>General Description:</b> | Fabufill thermally bonded polyester insulation Roll, thermal and acoustic insulation installed between trusses, joists, studs or above suspended ceilings, SABS approved to SANS 1381-1:2007, non-combustible to SANS 10177-8 and B/B1/2/H to SANS 428. Compression packed. |
| <b>Product Type:</b>        | Thermally Bonded Polyester Insulation.  |
| <b>Material:</b>            | SABS approved Polyester Insulation.   |
| <b>SABS Mark:</b>           | SABS approved to SANS 1381-1:2007 Materials for Thermal Insulation of Buildings   Part 1: Fibre Thermal Insulation Mats.<br><br>Permit Number: 9486/15037.  |
| <b>Material Thickness:</b>  | 40, 50, 75, 100 or 135mm. *   |
| <b>Width:</b>               | 0.6 / 0.75 or 1.2 metres. *   |
| <b>Density:</b>             | 10.1 kg/m <sup>3</sup> – determined in accordance with ASTM C167.   |
| <b>Weight:</b>              | 1000 gm/m <sup>2</sup> (tolerance +/- 10%).   |
| <b>Fibre Composition:</b>   | 80% recycled PET (locally sourced) & 20% virgin LMF.  |

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|                                 |   |
|---------------------------------|---|
| <b>Accessories:</b>             | Straining wire insulation support system to suit exposed structural supports, R-Value and thermal insulation.   |
| <b>Thermal Performance:</b>     | 0.76 – 3.10 m <sup>2</sup> .K/W (determined in accordance with ASTM C517) depending on the thickness. *   |
| <b>Fire Performance:</b>        | B/B1/2/H (determined in accordance with SANS 428)<br>Non-Flammable. Will not contribute to the spreading of flame and will self-extinguish when a heat source is removed. |
| <b>Combustibility:</b>          | Combustible at over 750 degrees (determined in accordance with SANS 10177-8).   |
| <b>Straining Wire Support:</b>  | 1.6mm galvanised or coated galvanised straining wire at minimum of 300mm centres.   |
| <b>Experienced Contractors:</b> | All contractors must be approved by Platinum Fibre (PTY) Ltd.   |

### GUARDIAN™ SYSTEM WARRANTY

|                           |  |
|---------------------------|--|
| <b>Warranty Supplier:</b> | Guardian Warranty (PTY) Ltd<br>Web: <a href="http://www.guardianwarranty.co.za">www.guardianwarranty.co.za</a><br>Email: <a href="mailto:info@guardianwarranty.co.za">info@guardianwarranty.co.za</a>  |
| <b>Reference:</b>         | Guardian™ System Warranty up to 20 years including materials, workmanship & maintenance.   |
| <b>Notes:</b>             | <p>The Guardian™ System Warranty is a warranty covering specified materials, workmanship and maintenance of an insulation installation.</p> <p>The contractor is to read all tender drawings in conjunction with the specification and should ensure that he is complying with the design intent, specification &amp; drawings of the building designer.</p> |

### GENERAL REQUIREMENTS

**Design:**  
Complete the design of the insulation system in accordance with manufacturers recommendations & guidelines and co-ordinate detailed design with that of all related works. Submit detailed design proposals to the client's architect before commencing any work.

**Thermal Performance / Bridging:**  
Requirement: Complete thermal design of the cladding/covering system to minimise thermal bridging.

**Product Samples:**  
Before commencing detailed design provide the clients' architects with identified samples of the insulation system to obtain approval before proceeding.

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**DESIGN / PERFORMANCE REQUIREMENTS**

**Verification of Performance:**

Submit evidence and calculations demonstrating compliance of the design with performance requirements (thermal, acoustic, structural) before commencing works. Reports, certificates and calculations must be based on approved laboratory testing or computer modelling.

**Note:**

**Draft Specification for Platinum Fibre Insulation Systems.**

**The purpose of this Draft Specification is to assist the Project Designer and Quantity Surveyor in producing their respective documentation for any project under consideration.**

**It is provided in good faith for use at the discretion of the respective consultant, to be amended and edited as required to suit the particular project requirements.**

**Platinum Fibre (PTY) Ltd is not privy to detailed contractual arrangements and documentation of an individual project and are therefore not in a position to co-ordinate related work by others. It is not the intention for this draft to relate to any particular project but to provide a guide to the more common items to be encountered in Platinum Fibre Insulation Systems.**

**Whilst it is the Project Designer/Quantity Surveyors/Planning Supervisor's responsibility to produce their respective documents and we can assist them in their duties, we cannot accept responsibility for any errors or omissions which may occur in tender or contract documents or for compliance with the requirements of Health and Safety/Construction Design and Management Regulations which may be applicable.**

**Please check to ensure that any amendments to the standard draft, represents a true interpretation of the Project Designer's requirements.**

**DISCLAIMER**

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